Faculty Scholarship
2016-2018

This document contains all publications, invited talks, abstracts and presentations for Neonatal-Perinatal faculty for 2016-2018. (Rev 4/26/2019)

Original Peer-Reviewed Journal Articles

2018


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2017

- Duncan AF, Frankfurt JA, Heyne RJ, Rosenfeld CR. Biomarkers of adiposity are elevated in preterm very-low-birth-weight infants at 1, 2, and 3 y of age. Pediatr Res 2017;81:780-6. PMID: 28099428
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2016

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2017


2016


Chapters
2018

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Invited Talks

2018
- Chalak L. Grand Rounds, Nationwide Children’s Hospital, Columbus, OH, September 2018. “New Frontiers in HIE Research”
- NEURONICU Advanced Conference-Advanced Applications of NIRS in Asphyxia, Stanford Medical Center, Stanford, CA, September 2018
  - “Mild HIE Updates”
  - “NIRS Wavelet Clinical and Research Applications”
  - “NIRS and EEG Case Series”
- Heyne R. University of Dallas, Dallas, TX, March & October 2018. “Ethical Ramifications of Human Embryology and Fetal Development”
- Rubinos L. Aghia Sofia Children’s Hospital, Athens, Greece, May 2018. “Nutritional Strategies in Late Preterm Infants”
- Rubinos L. Universidad Autonoma de Nuevo Leon, Monterrey, Mexico, May 2018. “Strategies to Improve Neurodevelopmental Outcomes of Premature Infants”
- Rubinos L. Hospital Infantil Privado, Mexico City, Mexico, June 2018. “Strategies to Improve Neurodevelopmental Outcomes of Premature Infants”
- Rubinos L. Baylor University, Waco, TX, October 2018. “Preemie Talk: The Effects of Maternal-Infant Separation and Neurodevelopment in Preterm Infants”
- Rubinos L. XV Congreso Internacional Temas Selectos de Neonatologia, Tuxtla Gutierrez, Chiapas, Mexico, October 2018.
  - “The Effects of Sedation on Neurodevelopmental Outcomes in Premature Infants”
  - “Management of Congenital Diaphragmatic Hernia: An Update on Management”
  - “Strategies to Improve Neurodevelopmental Outcomes of Premature Infants”
- Rubinos L. XIII Congreso Internacional de Neonatologia, Puebla, Puebla, Mexico, October 2018. “Language Development in Premature Infants”
  - “The Golden Hour”
  - “The Effects of Sedation on Neurodevelopmental Outcomes in Premature Infants”
- Savani R. 1st Federation of European Biochemistry Societies (FEBS), Patras, Greece, September-October 2018 Advanced Lecture Course on Extracellular Matrix: “Cell Regulation, Epigenetics and Modeling” Extracellular Superoxide Dismutase (EC-SOD) knockout mice have worse alveolarization, inflammation and cytokine elaboration after neonatal hyperoxia exposure
- Schneider J. Association of Medical Directors of Information Systems, Ojai, CA, June 2018 “Newborn Screening: Moving from the Stone Age to an Informatics Paradigm” “Financial Reporting: Why CMIOs Need to Understand this Stuff?”
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- Sisman J. Conference on Medical Imaging and Case Reports, Baltimore, MD, October 2018. “Lenticulostriate Vasculopathy in Preterm Infants: A New Classification, Clinical Associations and Neurodevelopmental Outcome”
- Wan-Huen P. No Pain Labor and Delivery Global Health Initiative, Fushan and Suzhou, China, January-February 2018 “NRP education with No Pain Labor and Delivery Medical Mission Group”

- Wyckoff M. 2018 NeoPREP Conference, Atlanta, GA, January 2018
  - “Asphyxia and Resuscitation”
  - “Exploring Ethical Dilemmas – Genetic Testing and Care of Infants with Congenital Anomalies”
  - “Current Controversies in the Delivery Room”
- Wyckoff M. New Zealand Resuscitation Council NZ Resus-2018 Conference, Wellington, New Zealand, April 2018
  - “What’s the Science and Should We Even Do It?”
  - “State of the Art Science in Support of Medications During Neonatal Resuscitation”
- Wyckoff M. Grand Rounds, Ohio State University Nationwide Children’s Hospital, Columbus, OH, October 2018. “Resuscitation of the Newly Born Preterm Infant: The Golden Minutes”

2017

- Chalak L. Invited Speaker – Saban Research Institute and Children’s Hospital Los Angeles, Los Angeles, CA, June 2017.
  - “Autoregulation Advanced Wavelet Methodologies and Clinical Applications”
  - “Management of Mild NE.”
- Chalak L. 1ST Gulf International Quality Conference and Neuro NICU Workshop, Muscat, Oman, November-December, 2017.
  - “NIRS Application, Amplitude-integrated EEG Interpretation: What Do the Wiggles Mean?”
  - “Neuroprotection and HIE”
- Ennis B. Baylor Medical Center Emergency Department Staff, Dallas, TX, May 2017. “NRP Update”
- Ennis B. Mother Francis Hospital NICU Staff, Tyler, TX, June 2017 “Very Low Birth Weight Education and Simulation (Preterm infant with pulmonary hemorrhage)”
- Heyne R. University of Dallas, Dallas, TX, April 2017. “Ethical Ramifications of Human Embryology and Fetal Development”
- Rosenfeld C. International Perinatal Collegium Meeting, Edinburgh, Scotland, July 2017. “Biomarkers of Adiposity Are Elevated in Preterm Very-low-birth-weight Infants at 1, 2 and 3 Years of Age”
  - “Management of the Difficult Airway”
  - “Strategies to Improve Neurodevelopmental Outcomes of Premature Neonates”
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- Savani R. German Society for Neonatology & Critical Care Medicine, Dresden, Germany, June 2017. “Inflammasonome/Caspase-1 Pathways as Therapeutic Targets for Preventing BPD”
- Savani R. 11th International Conference on Hyaluronan, Cleveland, OH, June 2017.
  - Session Chair, “HA in Immunity and Inflammation”
- Savani R. 7 Lakes Proteoglycans Conference, Varese, Italy, September 2017. “Receptor for Hyaluronan Mediated Motility (RHAMM) is Indispensable for VEGF-stimulated Src and eNOS Activation and Angiogenesis”
- Savani R. Visiting Professor, The University of Siena, Siena, Italy, September 2017. “BPD in the 21st Century”
- Savani R. The No Name Conference on Perinatal Vascular Biology, Tampa, FL, October 2017. “The Receptor for Hyaluronan Mediated Motility (RHAMM) is Indispensable for VEGF-stimulated Src and eNOS Activation and Angiogenesis”
- Schneider J. Association of Medical Directors of Information Systems, Ojai, CA, June 2017.
  - “Nothing About Me Without Me: A CHIO’s Journey Through Medical Identity Mix-up”
  - “Financial Reporting: Why CMIOs Need to Understand this Stuff”
  - “The Science Behind Neonatal Delivery Room CPR”
  - “Delivery Room Stabilization of the ELBW Infant: The Golden Minute”
  - “Resuscitation of ELBW Infants: State of the Art or State of Confusion?”
  - “Oxygen Use During Neonatal Delivery Room Stabilization”
  - “Neonatal CPR: What’s the Science and Should We Even Do It?”
- Wyckoff M. 3rd Biennial United South African Neonatal Association Conference, Johannesburg, South Africa, September 2017
  - “Cutting Edge Delivery Room Practice in 2017”
  - “Advances in Thermoregulation”

2016

- Ali, N. “Updates on Neonatal Resuscitation Program,” Neonatal Grand Rounds, Department of Neonatology, University of Colorado Acscutz Medical Campus, 2016
- Brion, L. “Respiratory Physiology, Mechanics and Ventilator Strategy in Newborns” Critical Care Lecture Series, Department of Pediatric Surgery, Dallas, TX, 2016
- Chalak, L. “Workshop Topic- Perinatal Asphyxia: The critical role of early evaluation,” Ramathibodi Hospital, Bangkok, February 2016
- Chalak, L. “AEEG and hypothermia workshops,” Chiang Mai, Thailand and UCLA, USA, February 2016
- Heyne, R. “Ethical Ramifications of Human Embryology and Fetal Development” University of Dallas April 15, 2016, and 10/31/2016
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- Jaleel, M., “Nutritional Emergencies in the NICU.” Texas Association of NNPs Annual Conference, Houston, TX, Jan 27, 2016
- Johnson, K., “It’s Always Something: an Infectious Disease Paradigm” UTSW Department of Pediatrics Multidisciplinary Conference, Dallas, TX, 4/26/2016
- Rosenfeld, C., “Addressing New Challenges in Neonatal Care: Effects of Neonatal Care on Adult Disease” Presented at SWAN Conference, Scott & White Baylor Medical Center, Temple, TX, 2016
- Savani, R., Invited speaker, Matrix Biology Europe, Athens, Greece, 2016

Abstracts and Presentations
2018

Pediatric Academic Societies Meeting, Toronto, Canada, May 2018

- Abbey N, Mashruwala V, Ramon E, Ibrahim J, Weydig H, Mir I, Wyckoff M, Kapadia V. Poster, “Heart Rate Evaluation and Resuscitation Trial in Preterm Neonates (HEART) – A Randomized Trial”
- Foglia E, Jensen E, Wyckoff M, Sawyer T, Topijan A, Ratcliffe S. Poster, “Gestational-Age Specific Survival Following Delivery Room Cardiopulmonary Resuscitation: Results from a National Registry”
- Frost M, Brion LP. Poster, “Validity of Pooled Faculty Evaluations in a Neonatal-Perinatal Fellowship Program”
- Frost M, Scarborough A, Austin A, Brion LP. Platform Presentation, “A Quality Improvement Project to Improve Timeliness of Submission of Fellow Evaluations by Neonatology Faculty”
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- Mir I, Brown LS, Heyne R, Rosenfeld C, Kapadia V. Poster, “Impact of Placental Histopathology on Bronchopulmonary Dysplasia (BPD) and Neurodevelopmental Impairment (NDI) in Preterm (PT) Infants < 29 weeks Gestational Age (GA)”
- Mir I, Chalak L, Rosenfeld C. Poster, “Reference Levels and Placental Clearance of Neurobiomarkers UCH-L1 and GFAP in Umbilical Cord Blood of Healthy Term Neonates and Those with Neonatal Encephalopathy (NE)”
- Pavageau L, Chalak L, Brown L. Poster, “Can the Neurological Exam Forms Designed to Screen for Neuroprotective Therapies in Term Infants Be Used in Preterm Infants Born 32 to 35 Weeks Gestation? A Validation Study”
- Savani R. Symposium Chair: “The Inflammation Superhighway: Tolls, Signals & Pathways”
- Savani R. Invited Science Presentation, “IL-1RA in the Therapy of BPD: An Update”
- Savani R. Symposium Presentation, “Inflammesome Blockade for the Prevention of BPD”
- Sisman J, Chalak L, Brown L, Pritchard M, Weakley D, Rosenfeld C. Poster, “Low Gestational Age (GA) and Respiratory Distress Syndrome (RDS) Are Associated with Progression of Lenticulostriate Vasculopathy (LSV) in Preterm Infants”
- Smithhart W, Wyckoff M, Kapadia V, Jaleel M, Kakkiilaya V, Brown L, Brion L. Poster, “Association of Symptomatic Pneumothorax in Term and Late-Preterm Infants with Continuous Positive Airway Pressure (CPAP) in the Delivery Room”
- Wyckoff M. Invited Science Presentation, “Targeted Goals and Monitoring During Neonatal Resuscitation”

Other Conferences

Faculty Scholarship 2016-2018

- Ennis B. Texas College of Emergency Physicians Connect Conference, Houston, TX, April 2018. Lab Moderator, “Neonatal Resuscitation Skills”
- Frost M. Association of Pediatric Program Directors Spring Meeting, Atlanta, GA, March 2018.
  - Invited Speaker, “Improving Timeliness of Submission of Fellow Evaluations by Neonatology Faculty.” Poster, “Validity of Pooled Faculty Evaluations in a Neonatal-Perinatal Fellowship Program”
  - Poster, “Comparing Combined Weighted Ordered Rank Lists to Traditional Evaluation Methods for Creations of Rank Lists for Neonatal Fellowship Applicants”
  - Workshop, “Getting the most out of ERAS for your best recruitment season ever!”
- Frost M, Austin A, Scarborough A, Brion LP. Association of Pediatric Program Directors (APPD), Orlando, FL, November 2018. Oral Presentation, “A Quality Improvement Project to Improve Timeliness of Submission of Fellow Evaluations by Neonatology Faculty”
- Frost M, Brion LP. Association of Pediatric Program Directors (APPD), Orlando, FL, November 2018. Poster Presentation, “Validity of pooled faculty evaluations in a neonatal-perinatal fellowship program”
- Savani, R. 2018 Telemedicine Summit for Hospitals, Las Vegas, NV, September 2018. “New Approaches to Telemedicine within Neonatal Care”
- Savani, R. 2018 Children’s Hospitals Neonatal Consortium Meeting, Columbus, OH, October 2018. “TeleNICU: Extending the Reach of Level IV Care and Optimizing the Triage of Patient Transfers”

2017

Pediatric Academic Societies Meeting, San Francisco, CA, May 2017

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- Deramo J, Jaleel MA, Frost M. Poster, “Kangaroo Care in the Parkland NNICU: Improving Patient Participation”
- Ibrahim J, Mir I. Poster, “Maggots: History from Just Being Insects to FDA Approved Medical Devices”
- Kakkilaya V, Marshall M, Jubran I, Mashruwala V, Kapadia V, Ramon E, Simcik V. Poster, “Quality Improvement (QI) Resuscitation Bundle to Decrease Delivery Room (DR) Intubation in Premature Newborns”
- Naeun Cheong, Jie Liao, Christopher Longoria, Qian Wu, Ivan Yuhanna, Philip Shaul, Rashmin C. Savani. Poster, “Low Molecular Weight Hyaluronan (LMW HA) Uses the HA receptor RHAMM to Phosphorylate and Activate Akt and eNOS to Stimulate Endothelial Cell Migration”
- Thomas S, Raetz M, Savani RS, Mirpuri J. Oral, “Maternal High Fat Diet Results in Microbiota-Dependent Expansion of Type 3 Innate Lymphoid Cells (ILC3s) and Susceptibility to Inflammation in Neonatal Mice”

Other Conferences

- Ali N. Poster, Children’s Hospital Neonatal Consortium, Columbus, OH, October 2017 “Resuscitation of Neonates Beyond the Delivery Room”
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- Foldes AE. Poster, Southern Regional Meeting, Society for General Internal Medicine, New Orleans, LA, February 2017 “Four Month-old Infant with Terminal Ileum Duplication Cyst”
- Mir I, Chalak L, Rosenfeld CR. Poster, Society for Reproductive Investigation 64th Annual Meeting, Orlando, FL, March 2017 “Placental Clearance Modulates Circulating Levels of Fetal Pro-inflammatory but Not Anti-Inflammatory Cytokines During Term Parturition and May Contribute to Histological Chorioamnionitis”
- Turley EA, Luyt LG, Savani RC, McCarthy JB, Cowman MK. Poster, 11th International Conference on Hyaluronan, Cleveland, OH, June 2017 “Hyaluronan Receptor and Hyaluronan Fragment Peptide Mimetics as Therapeutic Approaches for Reducing Tissue Inflammation and Fibrosis”

2016

- Blanco, V., Ramon, E., Ramos, E., Ochieng, J., Jaleel, M., Creation of a Team to Reduce Blood Culture Contaminants in the NICU, Poster Presentation at PAS, Baltimore, MD, April 2016
- Blanco, VM, Brown, LS, Rosenfeld, CR. Blood Pressure Measurements in Preterm Infants in the NICU: Reliability and Effects of Feeding and State. AAP Western Conf. Perinatal Research, Jan 11-13, 2017 (Oral presentation) and Annual Meeting Pediatric Academic Societies, San Francisco, CA; May 6-6, 2017.
- Chalak, L., Cerebral Hemodynamics in Asphyxiated Newborns Undergoing Hypothermia, Platform presentation at PAS, Baltimore, MD, 5/1/2016
- DeVries LD, Jaleel M, Kapadia V, Heyne R, Brion LP. Relationship between Pulmonary Hypertension and Outcomes among Infants with Bronchopulmonary Dysplasia Who Undergo Surgery, Poster Presentation at the 2016 Southern Regional Meeting, New Orleans, LA, 2/18/2016
- Frost, M., “Your Clinical Competency Committees are busy, but what does everyone else think?” Workshop at APPD Spring Meeting, New Orleans, LA, 2016
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- Shuler, J., Jaleel, M., Frost, M., Kangaroo Care in the Parkland NNICU, Pediatric Resident Poster Day, Dallas, TX, 5/31/2016
- Sisman J, Pritchard M, Weakley D, Chalak L, Rosenfeld CR. Inter-rater reliability of neonatal cranial ultrasound readings for the presence of lenticulostriate vasculopathy before and after introducing a new classification system. Annual Meeting of Pediatric Academic Societies, Baltimore, MD, April 30-May 3, 2016
- Srinivasakuamar, P., Blanco, V., Weydig, H., Jaleel, M., Reducing Coagulase Negative Staphylococcus Aureus (CoNS) contamination of blood cultures in the Neonatal Intensive Care Unit (NICU) – A Quality Improvement Initiative, Platform and Poster presentation, University of Texas Shared Vision Conference, San Antonio, TX, 4/21/2016